

All nylon filter cartridge

Pleated filter element entirely made of Nylon,
specific for critical applications

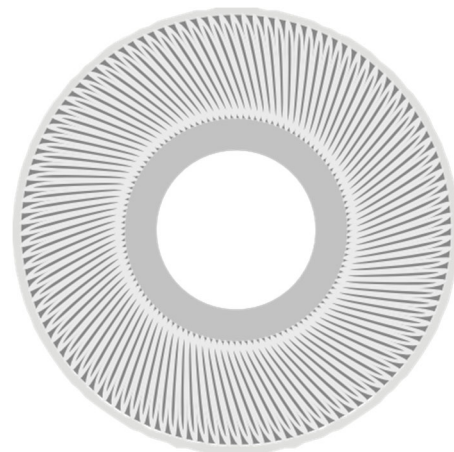
MICROPRO NY

The dependability of a 100% Nylon element, the safety and precision of a pleated cartridge

Today's market demands filtering systems featuring high compatibility with chemicals and designed to withstand high temperatures.

MICROPRO NY cartridges have been specially designed for applications that cannot use polypropylene. Both the structure and the filter medium are totally made of Nylon to make the cartridge suitable for use with solvents, hydrocarbons and organic compounds.

An innovative pleating system increases the filtering area, so that performance quality remains unaltered until clogging.



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TECHNICAL SPECIFICATIONS

- Great filtering surface, performance quality remains unaltered until clogging
- Compatible with solvents (chlorinated solvents), organic compounds (benzene, Xylene, toluene), hydrocarbons, amines, inks and lacquers
- Withstands temperatures of up to 120°C - absolute rating
- High mechanical strength and non-compressibility properties
- No fiber migration from the filter media
- Assembly by heat sealing, no resins or glue
- all materials meet the requirements of FDA CFR Title 21 for food contact
- in compliance with EC Directive for food contact. Regulation (EU) No.10/2011+amendments;1935/2004-1895/2005

OPERATING CONDITIONS

Max temperature in continuous operation	120°C @ 2.5 bar
Maximum operating pressure (Δp)	5 bar @ 80°C

ABSOLUTE FILTER RATINGS

0.5 - 0.6 – 1.0 – 2.5 – 5.0 - 10,0 – 20.0um

Absolute rating : 99.99% - ISO4572 Multipass Test AC Fine Test Dust

FLOW RATE

Water Flow 20°C @0.1 bar /10"	0.5-0.6um	1.0um	2.5um	5.0um	10.0um	20.0um
Typical Flow Rate	25 L/min	40L/min	80L/min	150L/min	270L/min	380L/min

Extrapolation for multiple housings and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent

FILTRATION AREA

0.6m²/10"

MATERIALS

Filtering media	Nylon
Supports	Nylon
Inner sleeve	Nylon
Connections and tip	Nylon
Gaskets	Silicone (standard), EPDM, Viton, FEP

SEALING

Ultrasound / Heat sealing

DIMENSION

Length	254mm (10")-508mm (20")-762mm (30")-1016mm (40")
Outer diameter	69mm
Inner diameter	26mm

TRACEABILITY

Each filter element is identified by a lot number for complete traceability.